



March 21, 2014

To: Executive Board

Subject: **Request to Issue RFP – SMART*Bus* Technical Advisory Services**

Recommendation

Authorize the Executive Director to issue a Request for Proposals (RFP) No. 14-030 for SMART*Bus* Technical Advisory Services to assist with developing performance specifications for the new CAD/AVL system, for replacement of the analog radio, replacement of the radio service carrier, and assistance with the implementation of the SMART*Bus* Replacement Project.

Analysis

Item No. 18 on the Executive Board's March 21, 2014 agenda is a Request to Issue an RFP for replacement of Foothill Transit's SMART*Bus* system (SBS). If that request is approved, the services of a technical advisory consultant will be needed to assist with developing performance specifications for the new CAD/AVL system, for the replacement of the analog radio, replacement of the radio service with another carrier, and assistance with the implementation of the SMART*Bus* Replacement Project.

The issuance of an RFP for a SMART*Bus* technical advisory service is an initial step in the process of replacement of the SMART*Bus* system. The technical advisor will assist in writing the Scope of Work for the SMART*Bus* Replacement Project, detailing the requirements to maintain existing reporting capability, and adding new services and features that are not available with the current system. Some examples of these new services and features include:

- enhanced GPS accuracy
- on board voice announcements capability to wirelessly send detour, schedule or emergency information to customers
- bus management system which provides alerts to dispatch and maintenance staff on required preventive maintenance, system defects and other immediate service needs
- real time boarding and alighting information at each stop
- live video streaming capabilities for law enforcement and operations while bus is in service
- streamlined process for headsign updates and management

In addition, integration of 4G cellular service to replace the GPS and voice communication with a more robust and expansive cellular service. The selected



consultant will also assist with the implementation of the project at West Covina, Arcadia/Irwindale and Pomona facilities, and all Transit Stores.

Budget Impact

Pending Board approval of the issuance of this RFP, funds for these services will be programmed into Foothill Transit's Fiscal Year 2015 Budget.

Sincerely,

A handwritten signature in blue ink, appearing to read "Luey".

Donald Luey
Director of Information Technology

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Doran J. Barnes
Executive Director